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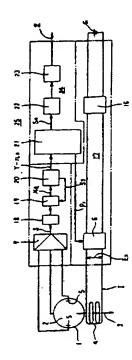
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TITLE

: LOW FREQUENCY EXCITING

ELECTROMAGNETIC FLOW METER



ABSTRACT: PURPOSE: To prevent the generation of a measuring error based on sine wave like noise induced by an AC source such as a commercial power source, by providing an analogue/digital converter and an adaptable type movement average filter.

> CONSTITUTION: The output signal of an analogue filter 18 is inputted to an analogue/digital converter 19 while a digital signal X_k is inputted to an adaptable type movement average filter 20 which, in turn, performs the predetermined operation of said signal X_k to outputs sample value series Y_{-no} as a digital signal from which the sine wavelike noise contained in the signal X_k is removed. Further, a pulse like sampling order signal is continuously outputted from the filter 20 and inputted to the converter 19 to be converted to the digital signal X_k in synchronous relation to the signal of a filter 18. In addition, the signal Y-no is inputted, and sampling and operation are performed to output a digital signal S₄ to a pulse modulator 22.

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